

ALEXANDER WING

SKILLS

PROGRAMMING

c++
c
yacc and lex
java
python
haskell
arduino
javascript
shell scripting
ubuntu
helx
tensorflow

DIGITAL VISUAL

photography
graphic design
type design
animation
3d modeling
photoshop
illustrator
indesign
after effects
premiere pro
font forge
maya
autocad

DIGITAL SONIC

audio design
audio engineering
mixing
foley
reaper daw
max msp
spear
multichannel

FABRICATION

3d printing
laser cutting
laser engraving
cnc machining
power tools
embroidery
printing binding
paper sculpture
sketching

WEB DEV

html css es4-6
rethink db
webgl three.js

NARRATIVE

unreal engine 4
vr ar xr design
live perf. design
hci ux ui id hcd

ABOUT

NEW YORK UNIVERSITY

3.980 gpa
integrated digital media
graduates may 2022

FIND ME ON

hailiax.io (*portfolio*)
github as hailiax
npmjs as hailiax
medium as hailiax

CONTACT ME AT

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FOCUS

BACKGROUND

• *engineering* background
focused in computer
science

• *design* background
focused in interdisciplinary
multimedia creation

WHAT DO I DO

this is a question i get
asked a lot. i either
work at the intersection
between the two opposing
subjects or one subject
influenced by the other

WORK EXP.

PRESIDENT @ ALCANYTE 2016-18

• *founded* nonprofit
• *managed* small team
and school club
• aimed to expose design
to fellow students

SOFTWARE DEV @ HIGH SCHOOL 2017-18

• *researched, designed,
and programmed* small
software projects
• *worked with* school
admins and teachers

CONTRIBUTOR @ VARIOUS PROJECTS

• *contributed* minorly to a
few projects

BEST PROJECTS

HELX 2018

• *created* a ux-focused *programming language*
• accomplished a novel & very elegant grammar
• used bison and flex with c on linux shell

ALCANYTE 2017

• *created* a 3d *webgl* animated *site* in threejs
• used javascript, html, css, after effects,
photoshop, and illustrator
• received user-approved award from awwwards

HAILIAX MEDIUM 2018

• *created* a *font*
• experimented with preception, letterform
joints, kerning, and proportions
• used font forge and illustrator

SOUND LIBRARY 2018

• *created, recorded, mastered, and organized*
sounds for an effects library
• used reaper, vcv rack, abelton max, and various
recording setups. • implemented sound library in
foley and sound design assignments

VISUAL FOUNDATION STUDIO BOOKLET 2018

• *drafted* multiple *iterations* of, *critiqued*, and
created logos, physical peices, and a mobile
interface
• compiled work in a *printed and bound booklet*
• used photoshop, illustrator, and indesign

DOCSJS 2017

• *created* an open-source *api* for documentation
generation
• impented modern *accessibility* standards
• tested for ie6+ using browserstack

IDEATION AND PROTOTYPING WORK 2018

• *researched, designed,* and deployed a bag
stand for brooklyn crosswalk
• *created* (3d printed) speculative design masks
• *created* an audio reactor video in *collaboration*
with a 3d designer and a sound producer
• laser cut various small projects

PAPER LAMP 2017

• *created* a paper lamp using paper sculpture
techniques to tell a story about human growth

HEXI AND INFINITEFORMS 2016

• *researched* and *created* two web apps for my
high school administration and teachers
• *collaborated w/* a few teachers
• used javascript, rethinkdb, ubuntu, html, css,
and illustrator

MSJGAWD 2015

• *created* short 3d animated video to introduce a
highschool club
• used after effects and photoshop